Mio™
explore more

User Manual

This manual provides information on the hardware and non-navigation features. For navigation software information, please refer to the other manual.

Revision: R00
(2008/08)

Table of Contents

Getting to know your Mio

	Name	Description
❶	**Power switch**	Turns your Mio on and off.
❷	**Memory card slot**	Accepts a SD (Secure Digital), SDHC (Secure Digital High Capacity), or MMC (MultiMediaCard) card for accessing data such as additional maps.
❸	**Charge indicator**	Indicates the level of battery charge: Green - battery full Amber - battery charging.
❹	**Mini-USB connector**	Connects to the charger or USB cable.
❺	**Holder socket**	For the holder.
❻	**Speaker**	Sends out sounds and voice.

Performing the initial start-up

1.   Connect your Mio to the connector in your vehicle.

2.   For the initial start-up, slide the power switch to the **ON** position.

3.   Your Mio turns on.

4.   The warning screen appears. Read the warning and tap **Accept.**

5.   The map screen will display. You can now use your Mio.

6.   The default language is English when you start up your Mio for the first time. To change the language, tap
     ⊞ → › → ⚒ → › → 🏁 .

Charging the battery via the USB cable

If you intend to charge your Mio in this way, turn off your Mio so that it takes less time to charge the battery.

1. Turn on the computer.

2. Connect the mini-USB end of the USB cable to the bottom of your Mio and the other end to a USB port on your computer.

3. The charge indicator glows amber when charging is in progress. When the battery is fully charged, the indicator turns green.

Note: If your Mio is on when connected to a computer, a screen appears to prevent you from using your Mio.

Note: When the Mio is connected to a computer, it is recognized as an external mass storage device. Do not delete any files pre-installed in the Mio. Deleting files of which the function is unknown can cause programs or features to malfunction.

CAUTION: For optimal performance of the lithium battery:

- Do not charge the battery where the temperature is high (e.g. in direct sunlight).
- There is no need to fully discharge the battery before charging. You can charge the battery before it is discharged.
- When storing the product for a long period of time, be sure to fully charge the battery at least once every two weeks. Over discharge of the battery can affect the charging performance.

Operating basics

Turning on and off

For normal operation, turn off your Mio by sliding the power switch to the **OFF** position. Your Mio enters a suspended state. To use it again, slide the power switch to the **ON** position. Your Mio will be back to where you left off.

Shutdown and hardware reset

Occasionally, you may need to perform a hardware reset when your Mio stops responding; or appears to be "frozen" or "locked-up."

You can perform a hardware reset by shutting down your Mio and then turning it back on. To shut down your Mio, slide the power switch to the **RESET** position. To turn on your Mio after shutting it down, slide the power switch to the **ON** position.

Navigating on the screen

To operate your Mio, touch the screen with your fingertip. You can perform the following actions:
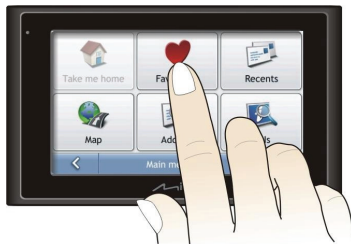
- **Tap**
  Touch the screen once with your fingertip to open items or select onscreen buttons or options.

- **Drag**
  Hold your fingertip on the screen and drag up/down/left/right or across the screen. (This is not supported by all applications.)

- **Tap and hold**
  Tap and hold your fingertip until an action is complete, or a result or menu is shown. (This is not supported by all applications.)

MioMore Desktop

MioMore Desktop is a suite of tools you can use to access greater functionality and product information via your computer. It allows you to perform some or all of the below tasks depending on your Mio model:

- obtain software updates

- browse the Mio website for special offers

- manage maps

- manage custom POIs

- search online for shared pictures

Note: Internet connection is required for certain features.

Note: For Windows XP users, Microsoft .NET 2.0 will be installed on your computer as part of the installation of MioMore Desktop.

Installing MioMore Desktop onto your computer

CAUTION: Before you begin, ensure that your computer meets the minimum system requirements for MioMore Desktop, especially:
- Ensure that Internet Explorer 6 or higher is installed on your computer before you install MioMore Desktop, even if it is not your default browser.
- Windows XP users, ensure that Windows XP Service Pack 2 or higher has been applied before you install MioMore Desktop.

1. Close all programs on your computer.

2. Insert the supplied DVD into your computer DVD drive. The installation wizard will start.

3. Select your preferred language for the installation wizard.

4. Click **Install MioMore Desktop**.

5. Follow the onscreen prompts to install MioMore Desktop.

MioMore Desktop features

Note: Not all features are available on all models. The total number of buttons shown on the left side of the window varies with models. Some buttons will display only after your Mio is connected.
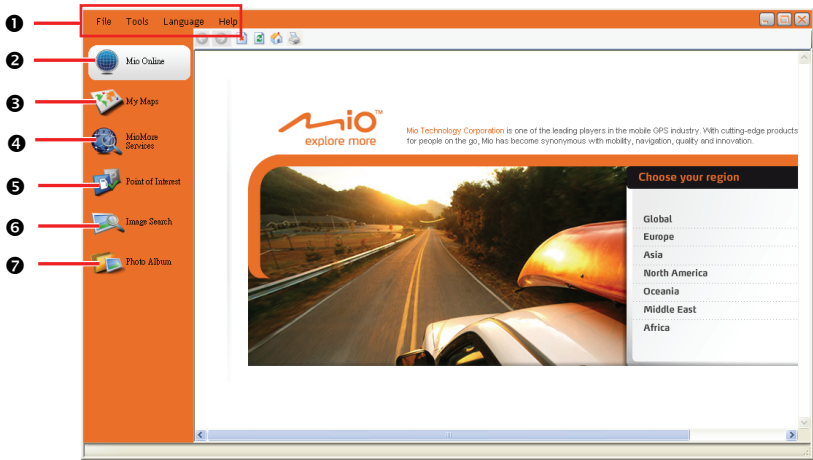
	Element	Description
❶	**Menu bar**	Provides access to basic MioMore Desktop functionality.
❷	**Mio Online**	Displays the Mio website.
❸	**My Maps**	Allows you to install and manage maps.
❹	**MioMore Services**	Allows you to search and install local POIs for a route.
❺	**Point of Interest**	Allows you to import custom POIs.
❻	**Image Search**	Allows you to search and download NavPix from a website. **Note:** This feature is powered by Flickr.
❼	**Photo Album**	Allows you to manage and transfer NavPix between your Mio and your computer.

Keeping MioMore Desktop up-to-date

We recommend that you regularly use MioMore Desktop to check the Mio server for MioMore Desktop software updates.

Click **Tools → Options → General** when MioMore Desktop has been started.

Select **Auto check for updates** checkbox. When you select this option, every time you access MioMore Desktop, the latest service packs and bug fixes if available are downloaded from the Mio server and applied to your Mio.

Note: *Updating* software is different from *upgrading* software. To *upgrade* MioMore Desktop, you must first purchase a new version of MioMore Desktop from a retailer, then install it on your Mio.

MioMore Desktop preferences

When the MioMore Desktop window is open, click **Tools → Options → General**.

You can change the MioMore Desktop measurement preferences to metric units and decimals by selecting the respective check boxes.

Mio Online

Note: Make sure that your computer is connected to the Internet.

Clicking the **Mio Online** button on the left side displays the company's official website in the embedded browser window. You can then browse the web pages in the window.

My Maps

My Maps allows you to install maps or remove maps from your Mio.
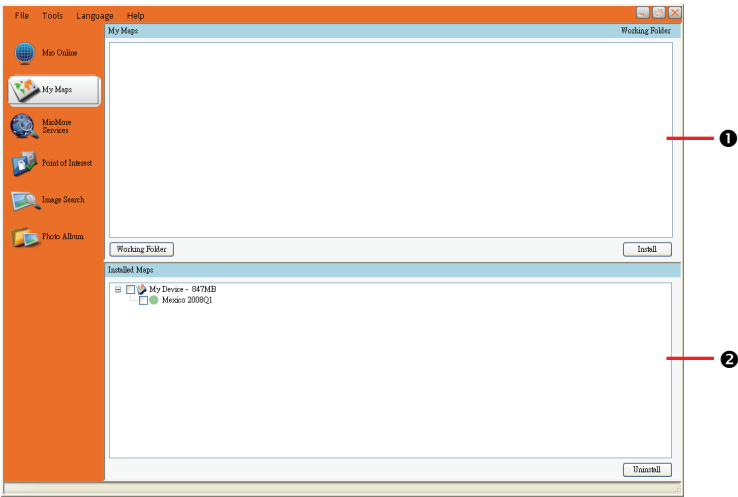
	Element	Description
❶	**My Maps**	A list of maps available to be installed.
❷	**Installed Maps**	A list of maps installed on your Mio.

Installing maps onto your Mio

You Mio comes pre-installed with map data. In case you have accentually removed map data, you can restore the map data. If additional or new maps are available, you can also install the new map data.

1. Connect your Mio to your computer via the USB cable.

2. Start MioMore Desktop. Click the **My Maps** button.

3. From the **My Maps** section, click **Working Folder**.

4. If you want to restore map data, insert the disc supplied with your Mio and browse to the DVD drive.
    Select **Software & Documentation DVD** and the folder **Maps\Program Files\MioMap**.

If you are installing a new map, browse to the folder containing the map.

5.   Click **Install**. The selected map(s) will be installed onto your Mio.

Removing maps from your Mio

1.   Connect your Mio to your computer via the USB cable.

2.   Start MioMore Desktop. Click the **My Maps** button.

3.   From the **Installed Maps** section, select the check box next to the map you want to remove.

4.   Click **Uninstall** to remove the selected maps.

Note: The uninstalled map data will be placed in the Working Folder (if you have specified a folder) or the root of drive C. If necessary, you can then re-install the map data using the previously uninstalled data.

MioMore Services

Note: Make sure that your computer is connected to the Internet.

MioMore Services allows you to search online for live POI information and then import the POIs you want to your Mio. These imported POIs will be added to the POI database of your Mio.

Searching for a POI using MioMore Services

1.   Connect your Mio to your computer via the USB cable.

2.   Start MioMore Desktop. Click the **MioMore Services** button.

3.   Click **Select Location**.

4.   From the country drop down box, select a country.

5.   From the Region/State drop down box select a region/state if required.

6.   In the Place name box, enter the first few letters of a city and then select your preference.
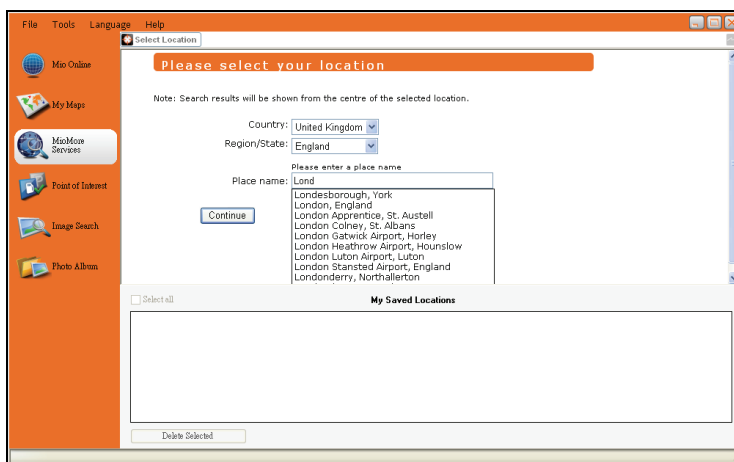
7.   Click **Continue**. The Available Services page will display.

8.   Select your preferred search service. The selected services page will display.

9. Enter your search keyword and then click **Search**.
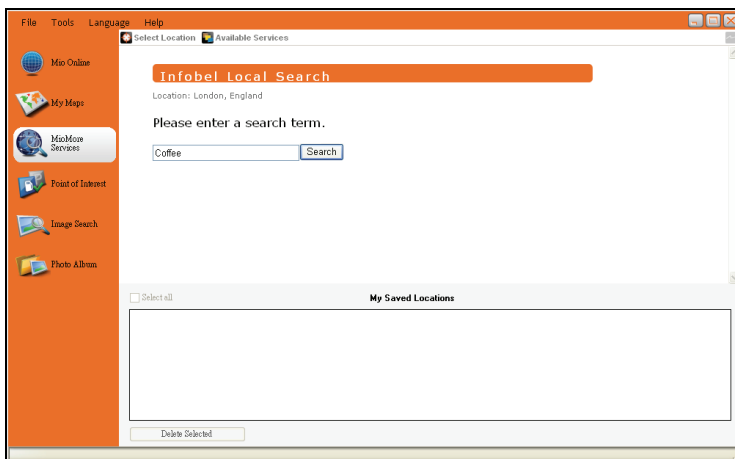
10. A list of search results will display.

Importing POIs from your computer to your Mio

1. Perform step 1 to 10 of "Searching for a POI using MioMore Services."

2. Click [icon] next to the POI you want to import to your Mio.
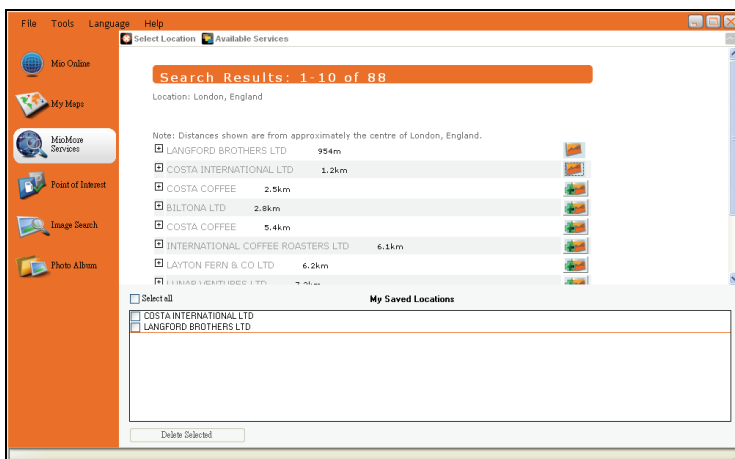
Deleting a POI from your Mio

1.   From **My Saved Locations** select a checkbox of the POI you want to delete.

2.   Click **Delete Selected**. The POI is deleted from your Mio.

Point of Interest

Point of Interest allows you to create or import your own POI files. These are called custom POIs. Unlike preinstalled POIs, custom POIs can be removed from your Mio.

Installing Points of Interest
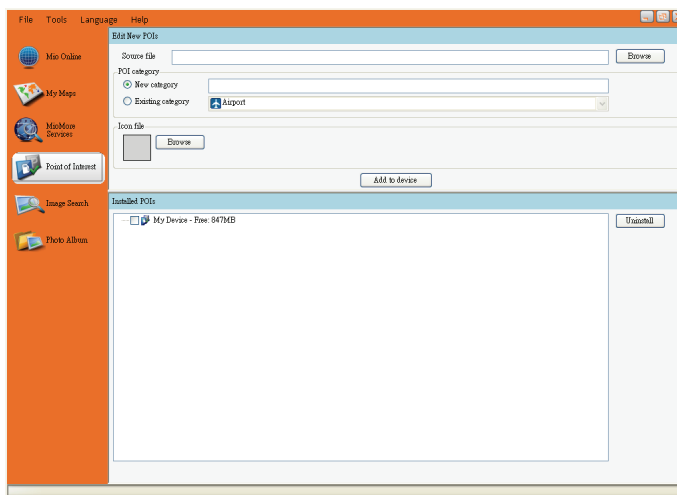
Note: Various POI files are available for download free or by subscription from third-party websites. Ensure that downloaded files are in .csv (Comma Separated Values) format.

CAUTION: Mio is not responsible for the content or accuracy of the information or the reliability or availability of the third-party websites. The use of information regarding safety camera locations may be subject to local laws in the country of use. You are responsible for checking that you can use the information in your country or in the country where the information will be used.

1.   Connect your Mio to your computer via the USB cable.

2.   Start MioMore Desktop. Click the **Point of Interest** button.

3.   In the **Edit New POIs** section, click **Browse** to select a source file. The Open dialog box will open.

4.   Select the file from your local or network drive, then click **Open**.

5.   Select one of the **POI Category** options:

     ▪   **New Category**
         To create a new custom POI category, type a name for the new category.

     ▪   **Existing Category**
         To use an existing custom POI category, select a type from the drop down list.

6. If you choose to create a new custom POI category, you can select an icon to display on the map screens for POIs of the category. Click **Browse** to select the icon file from your local or network drive. When you have located the icon file, select it and click **Open**.

7. Click on **Add to device** button to add the POI to your Mio.

Uninstalling Points of Interest

1. Connect your Mio to your computer via the USB cable.

2. From the **Installed POIs** section, select the check box next to the file name you want to remove.

3. Click **Uninstall** to remove the selected POI.

Image Search

Image Search is an application powered by Flickr™ allowing you to easily get the photos you want by searching among a huge database of shared photos.

Note: Make sure that your computer is connected to the Internet.

To search images from the Internet and download them to Photo Album:

1. Start MioMore Desktop. Click the **Image Search** button.

2. Enter your keywords in the **Description** field.

3. Select one of the **Sort by** options:

   ▪ **Most interesting**
   This will sort the images by their interesting levels. Interesting levels are determined by Flickr through the use of a complex algorithm.

   ▪ **Relevance**
   This is the default setting. It will sort the images by those that most closely match your keywords.

4. You can narrow your search by selecting the **GPS Only** or **Advance Search** check box.

5. After entering the keywords and making necessary choices, click **Search**.

   Note: If you want to stop the search, click **Stop searching**.
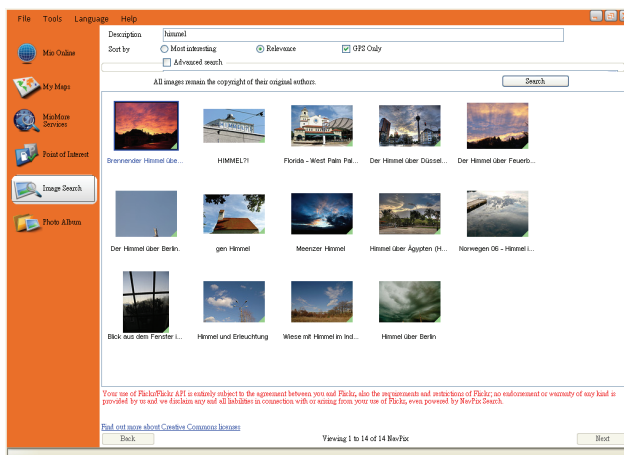
6. The matching photos will appear in the display area. The bottom of the screen provides a **Back** and a **Next** button for going to the previous and next page.

7. From the display area select a picture or group of pictures you want to import to your Photo Album.

8. Right click and select **Import to Photo Album**. A new album is created in the **Desktop album** section of Photo Album.

Photo Album

Photo Album allows you to copy, delete, or move pictures or albums between the NavPix library on your Mio and on your computer.

Note: Before you begin, ensure your Mio is connected to your computer via the USB cable.
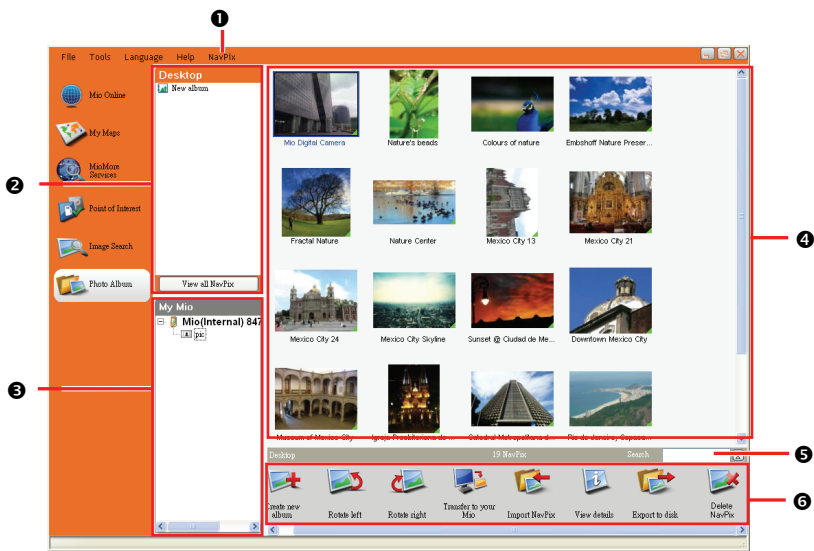
	Element	Description
❶	NavPix menu	Gives access to Photo Album functionality.
❷	Desktop albums	Displays a list of all albums stored in the NavPix library on your computer. Click an album to display its contents in the **Album display area**. Click the **View all NavPix** button to display all pictures stored in the NavPix library on your computer.
❸	My Mio albums	Displays a list of albums stored on the Mio internal memory and on the memory card if one is inserted. Click an album to display its contents in the **Album display area**.
❹	Album display area	Displays thumbnails of pictures in the selected album.
❺	Search	Type to search for a picture by name.
❻	Toolbar	When a picture is selected, the icons which can be used will be active.

Toolbar
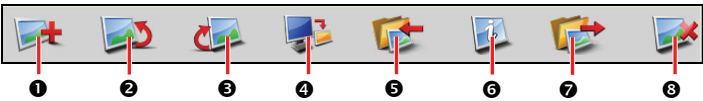
The following options are available on the toolbar:

	Element	Description
❶	**Create new album**	Creates a new album in the NavPix library you are viewing.
❷	**Rotate left**	Rotates the selected NavPix 90° to the left.
❸	**Rotate right**	Rotates the selected NavPix 90° to the right.
❹	**Transfer to your Mio / Transfer to your computer**	If you are viewing NavPix in the NavPix library on your computer, this will display as **Transfer to your Mio**. Click to transfer the selected NavPix to your Mio. If you are viewing NavPix in the Mio library this will display as **Transfer to your computer**. Click to transfer the selected NavPix to the NavPix library on your computer.
❺	**Import NavPix**	Imports NavPix from your computer to the NavPix library on your computer.
❻	**View details**	Views the selected NavPix and edit NavPix details, including: NavPix name, latitude, longitude, and description.
❼	**Export to disk**	Saves NavPix to your computer or a network drive.
❽	**Delete NavPix**	Deletes the selected NavPix.

Copying NavPix or albums from your Mio to Photo Album

1. From the **My Mio** section, select the album containing your required NavPix. Thumbnails of the NavPix in the selected album will display in the **Album display area**.

2. Either click and drag the required NavPix to an album in the **Desktop albums** section, or click the **Transfer to your computer** icon on the toolbar.

   Note: If an album is not selected in the **Desktop albums** section, you will be prompted to either select one, or create a new album.

3. Repeat steps 1 and 2 to copy NavPix from another album.

Transferring pictures from Photo Album to your Mio

You can transfer pictures from your computer to your Mio. You can import any JPEG (.jpg) into Photo Album, add or edit GPS information, and then copy the picture to your Mio.

1. From the **Toolbar** section, select **Import NavPix**. The Open dialog box will display.

2. Navigate to select a JPEG on your computer and click **Open**.

3. Thumbnails of the NavPix will display in the **Album display area**.

4. Either click and drag the required NavPix to an album in the **My Mio** section, or click the **Transfer to your Mio** icon on the toolbar.

Note: If you have transferred a NavPix with GPS coordinates, you can then navigate to where the picture was taken. If you choose to transfer the picture to the storage card, the picture will be saved in the **\Program Files\MioMap\photo***xxx* folder (where xxx is a sequential number) in the card. For the NavPix feature of your Mio to access the picture stored in the card, you must create the **\Album** folder in the card and move the picture from the **\Program Files\MioMap\photo***xxx* folder to this **\Album** folder. (Do not create subfolders.)

More to do with pictures and albums

Complete one of the following:

If you want to ...	Then ...
add a picture to another album	Select the picture and then drag it to the other album.
remove a picture from an album	Select the picture, right click (or click **NavPix** in the menu bar) and select **Remove from album**. **Note:** Select **Delete NavPix** if you want to delete the picture from all albums.
view and edit picture details	Select the picture, right click (or click **NavPix** in the menu bar) and select **View details**. Edit the fields as required.
view all pictures in the library	Click the **View all NavPix** button at the bottom of the **Desktop album** section.
upload a picture to Flickr	Select the picture, right click (or click **NavPix** in the menu bar) and select **Upload to Flickr**. **Note:** You need a Flickr account to upload pictures. To create a Flickr account visit www.flickr.com.
export a picture to Google Earth™	Select the picture, right click (or click **NavPix** in the menu bar) and select **Export to Google Earth**. Navigate to a folder on your computer to save the file and then open in Google earth. **Note:** Only pictures with GPS coordinates can be exported to Google Earth. You need to install the Google Earth software on your computer to be able to view the file you have created. You can download Google Earth from earth.google.com.
search for pictures near a specific location	Select a picture of the location you are looking for. Right click (or click **NavPix** in the menu bar) and select **Search for NavPix near this**.
import a folder	Click **NavPix** in the menu bar and select **Import folder**.
import NavPix archive	Click **NavPix** in the menu bar and select **Import NavPix archive**.

## Photo Album preferences

When MioMore Desktop has been started, click **Tools → Options → Photo Album**.

In this page, you can:

- change your NavPix library location on your computer

- choose whether or not to receive warning messages when deleting images

- choose whether or not to create a new album every time when importing new photos

- choose whether or not to view NavPix when on a route

Making backups of your Mio
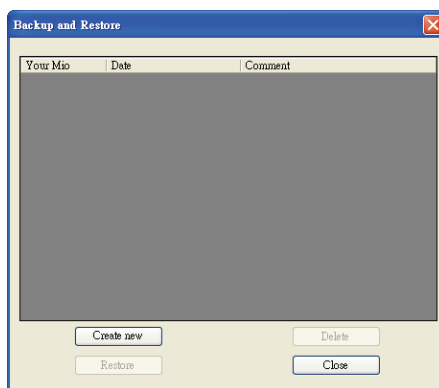
You can save backups of information such as Favourites and preferences, and later restore them to your Mio.

Before you begin, ensure your Mio is connected to your computer via the USB cable.

1. Start MioMore Desktop. Click **Tools → Backup and Restore**.

2. Click **Create new backup**.

3. Select the data you would like to backup, then enter a description for the backup in the **Description** field.

4. Click **OK**. The New Backup window will close and your backup will be saved to your computer. The backup will be listed on the Backup and Restore window.

Restoring a backup to your Mio

1. Start MioMore Desktop. Click **Tools → Backup and Restore**.

2. Select the backup from the list and click **Restore**, then click **OK**. The backup will be restored to your Mio.

Deleting a backup

1. Start MioMore Desktop. Click **Tools → Backup and Restore**.

2. Select from the list the backup to delete.

3. Click **Delete**, then click **OK**. The backup is deleted.

Reference

Inserting a memory card

> **CAUTION:** Do not apply pressure to the centre of the memory card.

Hold the card (SD, SDHC, or MMC) by the edges and gently insert it into the slot with the label facing the front of the Mio.

To remove a card, gently push the top edge of the card inwards to release it, and pull it out of the slot.

Troubleshooting

Note: If you encounter a problem you cannot solve, contact an authorized service center for assistance.

Problems	Solutions
Power does not turn on when using battery power.	The remaining battery power may be too low to run your Mio. Charge the battery.
Screen responds slowly.	Make sure that your Mio is not running out of battery power. If the problem still persists, reset your Mio.
Screen freezes.	Reset your Mio. (See "Shutdown and hardware reset" for information.)
Screen is hard to read.	Make sure that the backlight of the display is set to a high-enough brightness.
Cannot establish a connection with a computer.	Make sure that your Mio and your computer are both turned on before trying to establish a connection.
	Make sure that the cable is securely plugged into the USB port on your computer and on the Mio. Connect the USB cable directly to your computer—do not run the cable through a USB hub.
	Reset your Mio before connecting the cable. Always disconnect your Mio before you restart your computer.

Caring for your Mio

Taking good care of your Mio will ensure trouble-free operation and reduce the risk of damage to your Mio.

- Keep your Mio away from excessive moisture and extreme temperatures.

- Avoid exposing your Mio to direct sunlight or strong ultraviolet light for extended periods of time.

- Do not place anything on top of your Mio or drop objects on your Mio.

- Do not drop your Mio or subject it to severe shock.

- Do not subject your Mio to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your Mio. In the event of moisture condensation, allow the Mio to dry out completely before use.

- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.

- Never clean your Mio with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your Mio.

- Do not use paper towels to clean the screen.

- Never attempt to disassemble, repair or make any modifications to your Mio. Disassembly, modification or any attempt at repair could cause damage to your Mio and even bodily injury or property damage and will void any warranty.

- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your Mio, its parts or accessories.

Regulatory information

Regulations statements

European Notice

CE

Products with the CE marking comply with Radio & Telecommunication Terminal Equipment Directive (R&TTE) (1999/5/EC), the Electromagnetic Compatibility Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

EN 301 489-1: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

EN 301 489-17: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

EN 55022: Radio disturbance characteristics

EN 55024: Immunity characteristics

EN 61000-3-2: Limits for harmonic current emissions

EN 61000-3-3: Limitation of voltage fluctuation and flicker in low-voltage supply system

IEC 60950-1:2001: Product Safety

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

Hereby, Mio Technology declares that this N179 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Safety precautions

About charging

- Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.

- This product is intended to be supplied by a LISTED Power Unit marked with "LPS", "Limited Power Source" and output rated + 5 V dc / 1.0 A".

- Use a specified battery in the equipment.

About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.

- Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.

- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.

- Do not use the charger if the cord becomes damaged.

- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the battery

- Use a specified battery in the equipment.

- **CAUTION:** This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

- Important instructions (for service personnel only)
  - ✓ **Caution:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
  - ✓ Replace only with the same or equivalent type recommended by the manufacturer.
  - ✓ The battery must be recycled or disposed of properly.
  - ✓ Use the battery only in the specified equipment.